

BNIP3 Rabbit mAb
Catalog # AP74986**Specification**

BNIP3 Rabbit mAb - Product Information

Application	WB, IF
Primary Accession	O12983
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	21541

BNIP3 Rabbit mAb - Additional Information

Gene ID 664

Other Names

BNIP3

Dilution

WB~~1/500-1/1000

IF~~1/50-1/200

Format

Liquid

BNIP3 Rabbit mAb - Protein InformationName BNIP3 ([HGNC:1084](#))

Synonyms NIP3

Function

Apoptosis-inducing protein that can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix. Plays an important role in the calprotectin (S100A8/A9)-induced cell death pathway.

Cellular Location

Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein.

Note=Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria. Colocalizes with SPATA18 at the mitochondrion outer membrane

BNIP3 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BNIP3 Rabbit mAb - Images



